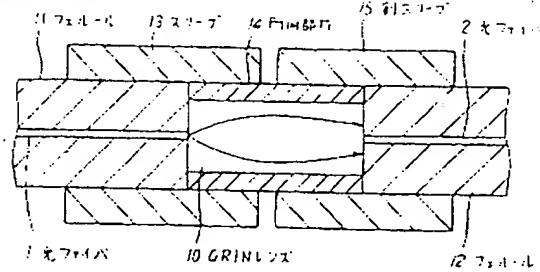


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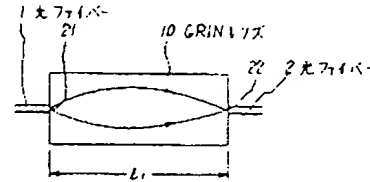


APPLICANT : SEIKO INSTR & ELECTRONICS LTD;

INVENTOR : HAGAMI YOSHIHISA;

INT.CL. : G02B 6/00 G02B 6/32

TITLE : OPTICAL ATTENUATOR



ABSTRACT : PURPOSE: To reduce the reflected back light by bringing closely an exist optical fiber and an incidence optical fiber into contact with both ends of a GRIN lens.

CONSTITUTION: The optical axis of an optical fiber 1 and that of an optical fiber 2 coincide with the optical axis of a GRIN lens 10, and the end face of the optical fiber 1 and one end of the GRIN lens 10 are brought closely into contact with each other, and the other end of the GRIN lens 10 and the end face of the optical fiber 2 are brought closely into contact with each other. An image on an end face 21 of the optical fiber 1 is formed on an end face 22 of the optical fiber 2, and the light emitted from the optical fiber 1 is made incident on the optical fiber 2 without loss. Thus, an optical attenuator of very little reflection is obtained.

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